

=> d his

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(FILE 'USPAT' ENTERED AT 11:33:11 ON 26 AUG 1999)
L1      42 S CED-3
L2      51 S CED-3 OR CED-4 OR CELL DEATH GENE
L3      468 S CAENORHABDITIS ELEGANS OR C ELEGANS
L4      30 S L2 AND L3
L5      33953 S DNA OR CDNA OR MRNA OR TRANSCRIPTS
L6      30 S L5 AND L4
L7      2932 S 536/23.1/CCLS
L8      993 S 536/24.31/CCLS
L9      992 S 536/24.33/CCLS
L10     1414 S 536/24.3/CCLS
L11     18 S 800/8/CCLS
L12     845 S 435/91.1/CCLS
L13     219 S 435/455/CCLS
L14     65 S 800/3/CCLS
L15     8 S L6 AND L7
L16     7 S L6 AND L8
L17     3 S L6 AND L9
L18     3 S L6 AND L10
L19     0 S L6 AND L11
L20     0 S L6 AND L12
L21     0 S L6 AND L13
L22     0 S L6 AND L14
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L18 ANSWER 1 OF 1 MEDLINE
 AN 93161939 MEDLINE
 DN 93161939
 TI The *Caenorhabditis elegans* cell
 death gene *ced-4* encodes a novel
 protein and is expressed during the period of extensive programmed cell
 death.
 AU Yuan J; Horvitz H R
 CS Program in Neuroscience, Harvard Medical School, Boston, MA 02115..
 NC GM24663 (NIGMS)
 GM24943 (NIGMS)
 SO DEVELOPMENT, (1992 Oct) 116 (2) 309-20.
 Journal code: ECW. ISSN: 0950-1991.
 CY ENGLAND: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 OS GENBANK-L12697; GENBANK-L12698; GENBANK-L12699; GENBANK-L12700;
 GENBANK-L12701; GENBANK-L12702; GENBANK-L12703; GENBANK-X65059;
 GENBANK-X69016; GENBANK-Z16406
 EM 199305
 => d 117 1-14

L17 ANSWER 1 OF 14 MEDLINE
 AN 1999225333 MEDLINE
 DN 99225333
 TI Accumulation of caspase-3 messenger ribonucleic acid and induction of
 caspase activity in the ovine corpus luteum following prostaglandin
 F2alpha treatment in vivo.
 AU Rueda B R; Hendry I R; Tilly J L; Hamernik D L
 CS The Women's Research Institute, Wichita, Kansas 67214-3199, USA..
 brueda@kumc.edu
 NC R01-HD34226 (NICHD)
 R01-AG12279 (NIA)
 SO BIOLOGY OF REPRODUCTION, (1999 May) 60 (5) 1087-92.
 Journal code: A3W. ISSN: 0006-3363.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199908
 EW 19990801

L17 ANSWER 2 OF 14 MEDLINE
 AN 1999072608 MEDLINE
 DN 99072608
 TI Involvement of interleukin-1beta-converting enzyme in apoptosis of
 irradiated retinoblastomas.
 AU Kondo Y; Liu J; Haqqi T; Barna B P; Kondo S
 CS Department of Neurosciences, Brain Tumor/Neuro-Oncology Center, The
 Cleveland Clinic Foundation, Ohio 44195, USA.
 SO INVESTIGATIVE OPHTHALMOLOGY AND VISUAL SCIENCE, (1998 Dec) 39 (13)
 2769-74.
 Journal code: GWI. ISSN: 0146-0404.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199902
 EW 19990204

L17 ANSWER 3 OF 14 MEDLINE
 AN 1998357011 MEDLINE
 DN 98357011
 TI Induction of apoptosis in thecal/interstitial cells: action of transforming growth factor (TGF) alpha plus TGF beta on bcl-2 and interleukin-1 beta-converting enzyme.
 AU Foghi A; Teerds K J; van der Donk H; Moore N C; Dorrington J
 CS Banting and Best Department of Medical Research, University of Toronto, Canada.
 SO JOURNAL OF ENDOCRINOLOGY, (1998 Jun) 157 (3) 489-94.
 Journal code: I1J. ISSN: 0022-0795.
 CY ENGLAND: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199810

L17 ANSWER 4 OF 14 MEDLINE
 AN 1998087427 MEDLINE
 DN 98087427
 TI Cloning and expression of the cDNA encoding rat caspase-2.
 AU Sato N; Milligan C E; Uchiyama Y; Oppenheim R W
 CS Department of Neurobiology and Anatomy, Bowman Gray School of Medicine, Winston-Salem, NC 27157, USA.. nsato@bgsms.edu
 NC NS20402 (NINDS)
 SO GENE, (1997 Nov 20) 202 (1-2) 127-32.
 Journal code: FOP. ISSN: 0378-1119.
 CY Netherlands
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 OS GENBANK-U77933
 EM 199803
 EW 19980304

L17 ANSWER 5 OF 14 MEDLINE
 AN 97353159 MEDLINE
 DN 97353159
 TI DNA damage-induced apoptosis and Ice gene induction in mitogenically activated T lymphocytes require IRF-1.
 AU Tamura T; Ishihara M; Lamphier M S; Tanaka N; Oishi I; Aizawa S; Matsuyama T; Mak T W; Taki S; Taniguchi T
 CS Institute for Molecular and Cellular Biology, Osaka University, Japan.
 SO LEUKEMIA, (1997 Apr) 11 Suppl 3 439-40.
 Journal code: LEU. ISSN: 0887-6924.
 CY ENGLAND: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals; Cancer Journals
 EM 199710

L17 ANSWER 6 OF 14 MEDLINE
 AN 97207283 MEDLINE
 DN 97207283
 TI Substrate and inhibitor specificity of interleukin-1 beta-converting enzyme and related caspases.
 AU Margolin N; Raybuck S A; Wilson K P; Chen W; Fox T; Gu Y; Livingston D J
 CS Vertex Pharmaceuticals Incorporated, Cambridge, Massachusetts 02139, USA.
 SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1997 Mar 14) 272 (11) 7223-8.
 Journal code: HIV. ISSN: 0021-9258.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals; Cancer Journals
 EM 199706

L17 ANSWER 7 OF 14 MEDLINE
 AN 96216447 MEDLINE
 DN 96216447
 TI Protease activity of in vitro transcribed and translated *Caenorhabditis elegans* cell death gene (ced-3) product.

AU Hugunin M; Quintal L J; Mankovich J A; Ghayur T
 CS BASF Bioresearch Corporation, Worcester, Massachusetts, 01605-4314, USA.
 SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1996 Feb 16) 271 (7) 3517-3522.
 Journal code: HIV. ISSN: 0021-9258.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals; Cancer Journals
 EM 199609

L17 ANSWER 8 OF 14 MEDLINE
 AN 95382891 MEDLINE
 DN 95382891
 TI Expression of candidate cell death genes in cell lines during apoptosis.
 AU Hacker G; Vaux D L
 CS Walter and Eliza Hall Institute of Medical Research, Post Office Royal Melbourne Hospital, Victoria, Australia.
 SO BIOCHEMISTRY AND CELL BIOLOGY, (1994 Nov-Dec) 72 (11-12) 451-4.
 Journal code: ALR. ISSN: 0829-8211.
 CY Canada
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199512

L17 ANSWER 9 OF 14 MEDLINE
 AN 95364954 MEDLINE
 DN 95364954
 TI An IRF-1-dependent pathway of DNA damage-induced apoptosis in mitogen-activated T lymphocytes.
 AU Tamura T; Ishihara M; Lamphier M S; Tanaka N; Oishi I; Aizawa S; Matsuyama T; Mak T W; Taki S; Taniguchi T
 CS Department of Immunology, Faculty of Medicine, University of Tokyo, Japan.
 SO NATURE, (1995 Aug 17) 376 (6541) 596-9.
 Journal code: NSC. ISSN: 0028-0836.
 CY ENGLAND: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals; Cancer Journals
 EM 199511

L17 ANSWER 10 OF 14 MEDLINE
 AN 95309879 MEDLINE
 DN 95309879
 TI Apoptosis regulatory gene NEDD2 maps to human chromosome segment 7q34-35, a region frequently affected in haematological neoplasms.
 AU Kumar S; White D L; Takai S; Turczynowicz S; Juttner C A; Hughes T P
 CS Hanson Centre for Cancer Research, Institute of Medical and Veterinary Science, Adelaide, Australia..
 SO HUMAN GENETICS, (1995 Jun) 95 (6) 641-4.
 Journal code: GED. ISSN: 0340-6717.
 CY GERMANY: Germany, Federal Republic of
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals; Cancer Journals
 EM 199509

L17 ANSWER 11 OF 14 MEDLINE
 AN 95240740 MEDLINE
 DN 95240740
 TI Requirement of an ICE/CED-3 protease for Fas/APO-1-mediated apoptosis.
 AU Los M; Van de Craen M; Penning L C; Schenk H; Westendorp M; Baeuerle P A; Droge W; Krammer P H; Fiers W; Schulze-Osthoff K
 CS Division of Immunochemistry, German Cancer Research Center, Heidelberg.
 SO NATURE, (1995 May 4) 375 (6526) 81-3.
 Journal code: NSC. ISSN: 0028-0836.
 CY ENGLAND: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals; Cancer Journals

EM 199507

L17 ANSWER 12 OF 14 MEDLINE
AN 94373811 MEDLINE
DN 94373811
TI Ich-1, an Ice/ced-3-related gene, encodes both
positive and negative regulators of programmed cell death.
AU Wang L; Miura M; Bergeron L; Zhu H; Yuan J
CS Cardiovascular Research Center, Massachusetts General Hospital-East
Charlestown 02129.
SO CELL, (1994 Sep 9) 78 (5) 739-50.
Journal code: CQ4. ISSN: 0092-8674.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals; Cancer Journals
OS GENBANK-U13021; GENBANK-U13022
EM 199412

L17 ANSWER 13 OF 14 MEDLINE
AN 94061983 MEDLINE
DN 94061983
TI Induction of apoptosis in fibroblasts by IL-1 beta-converting enzyme, a
mammalian homolog of the C. elegans cell
death gene ced-3.
AU Miura M; Zhu H; Rotello R; Hartwig E A; Yuan J
CS Cardiovascular Research Center, Massachusetts General Hospital,
Charlestown 02129.
SO CELL, (1993 Nov 19) 75 (4) 653-60.
Journal code: CQ4. ISSN: 0092-8674.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals; Cancer Journals
EM 199403

L17 ANSWER 14 OF 14 MEDLINE
AN 94061982 MEDLINE
DN 94061982
TI The C. elegans cell death
gene ced-3 encodes a protein similar to
mammalian interleukin-1 beta-converting enzyme.
AU Yuan J; Shaham S; Ledoux S; Ellis H M; Horvitz H R
CS Program of Neurosciences, Harvard Medical School, Boston, Massachusetts
02115.
NC GM24663 (NIGMS)
SO CELL, (1993 Nov 19) 75 (4) 641-52.
Journal code: CQ4. ISSN: 0092-8674.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Cancer Journals; Priority Journals
OS GENBANK-L29052; GENBANK-L22499; GENBANK-U00968; GENBANK-L26083;
GENBANK-L20888; GENBANK-L20889; GENBANK-S60904; GENBANK-S60905;
GENBANK-S60924; GENBANK-L33709
EM 199403

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(FILE 'HOME' ENTERED AT 11:15:58 ON 26 AUG 1999)

FILE 'MEDLINE' ENTERED AT 11:18:04 ON 26 AUG 1999

L1 100 S CELL DEATH GENE
L2 320 S CED-3
L3 87 S CED-4
L4 1587 S C.ELEGANS
L5 41 S L1 AND L2
L6 21 S L1 AND L4
L7 16 S L5 AND L4
L8 6 S L1 AND L3
L9 4 S L8 AND L4

L10 4063 S CAENORHABDITIS ELEGANS OR C ELEGANS
 L11 0 S LL5 AND L10
 L12 37 S L5 AND
 L13 0 S LL8 AND
 L14 6 S L8 AND L10
 L15 542402 S DNA OR CDNA
 L16 617774 S DNA OR CDNA OR TRANSCRIPT OR MRNA
 L17 14 S L16 AND L5 AND L10
 L18 1 S L16 AND L8 AND L10

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ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
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 FILE LAST UPDATED: 26 Aug 1999 (19990826/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

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 16407 CDNAS
 100949 CDNA
 (CDNA OR CDNAS)
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 55625 DEATH
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L19      14 L16 AND L5 AND L10

=> s 118

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      (C (W) ELEGANS)
L20      3 L16 AND L8 AND L10

=> d 120 1-3

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L20 ANSWER 1 OF 3 CAPLUS COPYRIGHT 1999 ACS
 AN 1994:238729 CAPLUS
 DN 120:238729
 TI Cloning and characterization of the cell death
 genes ced-3 and ced-4 of
 Caenorhabditis elegans
 IN Horvitz, H. Robert; Yuan, Junying; Shaham, Shai
 PA Massachusetts Institute of Technology, USA
 SO PCT Int. Appl., 126 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9325685	A1	19931223	WO 1993-US5701	19930614
	W: CA, JP				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
PRAI	US 1992-897788		19920612		
	US 1992-979638		19921120		

L20 ANSWER 2 OF 3 CAPLUS COPYRIGHT 1999 ACS
 AN 1994:237601 CAPLUS
 DN 120:237601
 TI A gene which prevents programmed cell death
 IN Horvitz, H. Robert; Hengartner, Michael
 PA Massachusetts Institute of Technology, USA
 SO PCT Int. Appl., 111 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9325683	A1	19931223	WO 1993-US5651	19930614
	W: CA, JP				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
PRAI	US 1992-898933		19920612		
	US 1992-927681		19920810		

L20 ANSWER 3 OF 3 CAPLUS COPYRIGHT 1999 ACS
 AN 1993:510239 CAPLUS
 DN 119:110239
 TI The Caenorhabditis elegans cell
 death gene ced-4 encodes a novel
 protein and is expressed during the period of extensive programmed cell
 death
 AU Yuan, Junying; Horvitz, H. Robert
 CS Program Neurosci., Harvard Med. Sch., Boston, MA, 02115, USA
 SO Development (Cambridge, UK) (1992), 116(2), 309-20
 CODEN: DEVPED; ISSN: 0950-1991
 DT Journal
 LA English

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L9	4 S L8 AND L4
L10	4063 S CAENORHABDITIS ELEGANS OR C ELEGANS
L11	0 S LL5 AND L10

L12 37 S L5 AND L10
L13 0 S LL8 AND L10
L14 6 S L8 AND L10
L15 542402 S DNA OR L10
L16 617774 S DNA OR CDNA OR TRANSCRIPT OR MRNA
L17 14 S L16 AND L5 AND L10
L18 1 S L16 AND L8 AND L10

FILE 'CAPLUS' ENTERED AT 11:28:03 ON 26 AUG 1999

L19 14 S L17
L20 3 S L18